

CLAIMS

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WE CLAIM:

1. An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of SEQ ID NO: 4, 14, 27, 159, 185, 214, 240, 271, 301, 322, 347, 354, or 377 or the mature protein coding portion thereof.

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2. An isolated polynucleotide encoding a polypeptide with biological activity, said polynucleotide having greater than about 99% sequence identity with the polynucleotide of claim 1.

3. The polynucleotide of claim 1 which is a DNA sequence.

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4. An isolated polynucleotide which comprises the complement of the polynucleotide of claim 1.

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5. An isolated polypeptide comprising an amino acid sequence which is at least 99% identical to the amino acid sequence selected from the group consisting of SEQ ID NO: 5, 15, 28, 160, 186, 215, 241, 272, 302, 323, 348, 355, or 378.

6. A polynucleotide encoding a polypeptide according to claim 5.

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7. A nucleic acid array comprising the polynucleotide of claim 1 attached to a surface.

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